

# Hexanamide, 6-chloro-N-ethyl-N-butyl-

<b>Inchi:</b>	InChI=1S/C12H24ClNO/c1-3-5-11-14(4-2)12(15)9-7-6-8-10-13/h3-11H2,1-2H3
<b>InchiKey:</b>	PUTIMIRQQWEQTL-UHFFFAOYSA-N
<b>Formula:</b>	C12H24ClNO
<b>SMILES:</b>	CCCCN(CC)C(=O)CCCCCl
<b>Mol. weight [g/mol]:</b>	233.78

## Physical Properties

Property code	Value	Unit	Source
gf	20.09	kJ/mol	Joback Method
hf	-351.80	kJ/mol	Joback Method
hfus	35.65	kJ/mol	Joback Method
hvap	55.48	kJ/mol	Joback Method
log10ws	-3.34		Crippen Method
logp	3.434		Crippen Method
mcvol	203.730	ml/mol	McGowan Method
pc	1816.95	kPa	Joback Method
rinpola	1974.00		NIST Webbook
rinpola	1974.00		NIST Webbook
tb	577.70	K	Joback Method
tc	751.30	K	Joback Method
tf	337.32	K	Joback Method
vc	0.780	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	506.17	J/mol×K	577.70	Joback Method
cpg	521.91	J/mol×K	606.63	Joback Method
cpg	536.92	J/mol×K	635.57	Joback Method
cpg	551.23	J/mol×K	664.50	Joback Method
cpg	564.85	J/mol×K	693.43	Joback Method
cpg	577.82	J/mol×K	722.37	Joback Method
cpg	590.16	J/mol×K	751.30	Joback Method

# Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U415589&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U415589&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpola:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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